

03050109-030
(Oolenoy River)

General Description

Watershed 03050109-030 is located in Pickens County and consists primarily of the *Oolenoy River* and its tributaries. The watershed occupies 31,465 acres of the Blue Ridge and Piedmont regions of South Carolina. The predominant soil types consist of an association of the Pacolet-Ashe-Cecil series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 25%, with a range of 2-80%. Land use/land cover in the watershed includes: 0.21% urban land, 2.39% agricultural land, 0.08% scrub/shrub land, 0.34% barren land, 96.78% forested land, and 0.20% water.

There are a total of 71.8 stream miles in this watershed. Tributaries of the Oolenoy River include Willis Creek, Emory Creek, Rachael Creek, Mill Creek, Carrick Creek (Green Creek, Pinnacle Lake, Oolenoy Lake), Adams Creek (Molly Branch), Weaver Creek (Burgess Creek, Cisson Creek), Hawk Creek, and Gowens Creek. Willis Creek and Emory Creek are classified ORW from their headwaters to the northern boundary of Table Rock Resort property. Green Creek and the headwaters of Carrick Creek through and including Pinnacle Lake are classified ORW, and the remaining streams in the watershed are classified FW. Table Rock State Park is another natural resource in the watershed.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
S-798	W	FW	LAKE OOLENOY AT DRAIN NEAR SPILLWAY AT SC 11
S-103	W	FW	OOLENOY RIVER AT S-39-47

Oolenoy River (S-103) - Aquatic life uses are fully supported based on macroinvertebrate community, physical and chemical data. Recreational uses are not supported due to fecal coliform bacteria excursions.

Oolenoy Lake (S-798) - Oolenoy Lake is a 50-acre impoundment in Table Rock State Park, with a maximum depth of approximately 9.0m and an average depth of approximately 2.7m. The lake's watershed comprises 7.2km². Eutrophication assessments indicate that Oolenoy Lake is one of the least eutrophic small lakes in South Carolina, characterized by low nutrient concentrations and very clear water. Preservation of this lake's desirable trophic condition is recommended. Aquatic life and recreational uses are fully supported. Human health standards for mercury were exceeded once in 1997.

The lake was treated in 1993 by the Water Resources Division of the SCDNR with aquatic herbicides and stocked with triploid grass carp in an effort to control the submerged aquatic macrophytes. The stocking rate was 20 fish/vegetated acre, for a total of 700 fish. The lake was restocked in 1997 with 15 fish/vegetated acre in order to improve access to the lake.

Table Rock State Park Swimming Lake - The lake was treated in 1993 by the Water Resources Division of the SCDNR with aquatic herbicides in an attempt to control the aquatic plants that prevent access to the lake for swimming and boating. In addition, grass carp, a biological control agent, was introduced in 1993 at the stocking rate of 20 fish/vegetated acre for a total of 200 fish.

Permitted Activities

Point Source Contributions

RECEIVING STREAM
FACILITY NAME
PERMITTED FLOW @ PIPE (MGD)
COMMENT

NPDES#
TYPE
LIMITATION

CARRICK CREEK
SCDPRT/TABLE ROCK
PIPE #: 001 FLOW: 0.035
WQL FOR NH3-N, TRC

SC0024856
MINOR DOMESTIC
WATER QUALITY

Growth Potential

There is an overall low potential for development or intensive agriculture in this watershed; however, there is a high potential for low density residential and tourist commercial development where Scenic S.C. Highway 11 crosses the watershed. Several small residential subdivisions have been constructed, and wastewater disposal for these new areas are by septic tanks. There are a few, relatively small, clear and selective cut timber harvesting activities occurring on the private land holdings along this watershed of mountains and rolling hills.